

2FW

PATENT
ATTORNEY DOCKET NO. 041465-5208

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:)
Kenichiro TADA et al.)
Application No.: 10/691,709)
Filed: 10/24/03)

Title: METHOD AND APPARATUS FOR
RECORDING VIDEO SIGNAL

Commissioner for Patents
U.S. Patent and Trademark Office
Alexandria, VA 22314

Sir:

CHANGE OF CORRESPONDENCE ADDRESS

Please enter the correspondence address of this application as:

Customer Number 55694


A new power of attorney appointing the undersigned is being filed concurrently herewith. If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

Dated: January 18, 2006

By:


Peter J. Sištare
Registration No. 48,183

CUSTOMER NO. 55694
DRINKER, BIDDLE & REATH LLP
1500 K Street, N.W., Suite 1100
Washington, D.C. 20005-1209
Tel: (202) 842-8800
Fax: (202) 842-8465



PATENT
ATTORNEY DOCKET NO. 041465-5208

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Kenichiro TADA et al.)
Application No.: 10/691,709)
Filed: 10/24/03)

Title: METHOD AND APPARATUS FOR
RECORDING VIDEO SIGNAL

Commissioner for Patents
U. S. Patent and Trademark Office
Alexandria, VA 22314

Sir:

**SUBMISSION OF REVOCATION OF ORIGINAL POWER OF ATTORNEY
AND GRANT OF NEW POWER OF ATTORNEY**

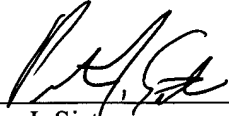
Enclosed is a copy of the Revocation of Original Power of Attorney and Grant of New Power of Attorney by the Assignee.

If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

Dated: January 18, 2006

By: 
Peter J. Sistare
Registration No. 48,183

CUSTOMER NO. 55694
DRINKER, BIDDLE & REATH LLP
1500 K Street, N.W., Suite 1100
Washington, D.C. 20005-1209
Tel: (202) 842-8800
Fax: (202) 842-8465



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: **PIONEER CORPORATION**Commissioner for Patents
Washington, D.C. 20231**REVOCATION AND NEW POWER OF ATTORNEY**

Under 37 CFR §3.73(b), **PIONEER CORPORATION**, a Japanese corporation, certifies that it is an assignee of the patent applications and issued patents identified in the following chart by virtue of respective Assignment documents for each listed application and patent from the inventor(s) to **PIONEER CORPORATION** submitted to the U.S. Patent and Trademark Office. The dates on which the assignments were submitted and the reel/frame numbers at which the assignments were recorded are indicated in the chart below when known.

| Filing Date | Attorney Docket No. | Application No. | Patent No. (if applicable) | Issue Date (if applicable) | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 05/23/95 | 041465-0002 | 08/450,952 | 5,697,080 | 12/09/97 | 07/06/95; 7545/0112 |
| 11/02/94 | 041465-5003 | 08/333,326 | 5,600,615 | 02/04/97 | 11/02/94; 7191/0280 |
| 10/13/95 | 041465-5004 | 08/543,083 | 5,734,631 | 03/31/98 | 10/13/95; 7837/0471 |
| 02/01/96 | 041465-5007 | 08/595,196 | 5,757,742 | 05/26/98 | 02/01/96; 7861/0266 |
| 03/26/98 | 041465-5007-01 | 09/048,217 | 5,910,937 | 06/08/99 | 02/01/96; 7861/0266 |
| 03/06/96 | 041465-5008-01 | 08/611,753 | 5,892,748 | 04/06/99 | 03/06/96; 7913/0363 |
| 03/29/96 | 041465-5009 | 08/623,821 | 5,703,864 | 12/30/97 | 03/29/96; 7939/0077 |
| 06/27/96 | 041465-5012 | 08/670,533 | 5,886,965 | 03/23/99 | 06/27/96; 8071/0759 |
| 06/28/96 | 041465-5013 | 08/671,652 | 5,758,008 | 05/26/98 | 06/28/96; 8068/0555 |
| 07/02/96 | 041465-5014 | 08/677,452 | 5,636,186 | 06/03/97 | 07/02/96; 8082/0131 |
| 07/03/96 | 041465-5015 | 08/675,016 | 5,892,983 | 04/06/99 | 07/03/96; 8087/0944 |
| 07/09/96 | 041465-5016 | 08/677,196 | 5,787,222 | 07/28/98 | 07/09/96; 8107/0515 |
| 06/02/98 | 041465-5016-01 | 09/088,379 | 6,160,951 | 12/12/00 | 07/09/96; 8107/0515 |
| 01/12/99 | 041465-5017-01 | 08/747,666 | 5,978,347 | 11/02/99 | 11/12/96; 8314/0092 |
| 08/18/99 | 041465-5017-02 | 09/376,295 | 6,175,545 | 01/16/01 | 11/12/96; 8314/0092 |
| 11/13/96 | 041465-5018 | 08/748,029 | 5,729,522 | 03/17/98 | 11/12/96; 8315/0887 |
| 01/30/97 | 041465-5019 | 08/791,316 | 5,886,970 | 03/23/99 | 10/10/97; 8743/0042 |
| 04/26/00 | 041465-5020-01 | 08/806,458 | 6,236,804 | 05/22/01 | 09/30/97; 8757/0863 |
| 04/02/01 | 041465-5020-02 | 09/822,259 | 6,741,797 | 05/25/04 | 09/30/97; 8757/0863 |

Assignee : PIONEER CORPORATION

Page : 2

| Filing Date | Attorney Docket No. | Application No. | Patent No. (if applicable) | Issue Date (if applicable) | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 03/27/02 | 041465-5020-03 | 10/106,355 | | | 09/30/97; 8757/0863 |
| 02/26/97 | 041465-5021 | 08/806,459 | 6,006,004 | 12/21/99 | 09/30/97; 8757/0818 |
| 09/24/99 | 041465-5021-01 | 09/404,765 | 6,253,018 | 06/26/01 | 09/30/97; 8757/0818 |
| 02/12/01 | 041465-5021-02 | 09/780,384 | 6,396,997 | 05/28/02 | 09/30/97; 8757/0818 |
| 03/20/02 | 041465-5021-03 | 10/101,333 | | | 09/30/97; 8757/0818 |
| 03/14/97 | 041465-5022 | 08/816,941 | 6,085,021 | 07/04/00 | 03/14/97; 8590/0393 |
| 03/06/97 | 041465-5023 | 08/812,882 | 6,108,486 | 08/22/00 | 07/17/97; 8618/0444 |
| 03/11/97 | 041465-5024 | 08/815,184 | 5,960,152 | 09/28/99 | 08/25/97; 8675/0804 |
| 3/13/97 | 041465-5025 | 08/816,686 | 6,148,138 | 11/14/00 | 03/13/97; 8440/0330 |
| 03/11/97 | 041465-5026 | 08/815,162 | 5,729,516 | 03/17/98 | 03/11/97; 8440/0113 |
| 09/29/98 | 041465-5027-01 | 08/815,956 | 6,031,962 | 02/29/00 | 03/13/97; 8457/0610 |
| 03/13/97 | 041465-5028 | 08/816,889 | 5,933,569 | 08/03/99 | 08/27/03; 14441/0983 |
| 03/17/97 | 041465-5029 | 08/819,861 | 5,805,537 | 09/08/98 | 09/05/97; 8696/0064 |
| 04/13/99 | 041465-5030-02 | 08/820,257 | 6,104,684 | 08/15/00 | 03/18/97; 8462/0522 |
| 04/28/00 | 041465-5030-03 | 09/559,971 | 6,757,483 | 06/29/04 | 03/18/97; 8462/0522 |
| 06/02/04 | 041465-5030-04 | 10/858,268 | | | 03/18/97; 8462/0522 |
| 03/17/97 | 041465-5031 | 08/822,157 | 6,091,674 | 07/18/00 | 09/30/97; 8757/0845 |
| 03/17/97 | 041465-5032 | 08/819,012 | 6,157,769 | 12/05/00 | 03/17/97; 8453/0647 |
| 08/17/00 | 041465-5032-01 | 09/639,887 | 6,501,903 | 12/31/02 | 12/09/03; 14178/0529 |
| 05/29/02 | 041465-5032-02 | 10/156,393 | | | 12/09/03; 14178/0529 |
| 03/17/97 | 041465-5033 | 08/819,011 | 6,014,495 | 01/11/00 | 03/17/97; 8453/0640 |
| 12/02/99 | 041465-5033-01 | 09/452,889 | 6,778,761 | 08/17/04 | 03/17/97; 8453/0640 |
| 06/27/03 | 041465-5034-03 | 10/606,831 | | | 03/28/02; 12713/0974 |
| 03/18/97 | 041465-5035 | 08/820,256 | 5,966,352 | 10/12/99 | 03/18/97; 8462/0495 |
| 03/20/97 | 041465-5036 | 08/825,560 | 5,889,746 | 03/30/99 | 03/20/97; 9333/0261 |
| 03/21/97 | 041465-5037 | 08/821,424 | 6,137,954 | 10/24/00 | 03/21/97; 8476/0385 |
| 08/30/00 | 041465-5038-01 | 08/822,457 | 6,212,330 | 04/03/01 | 03/21/97; 8465/0613 |
| 03/21/97 | 041465-5039 | 08/821,920 | 5,742,569 | 04/21/98 | 03/21/97; 8536/0356 |
| 04/01/97 | 041465-5040 | 08/831,716 | 6,088,506 | 07/11/00 | 09/05/97; 8696/0061 |
| 11/15/99 | 041465-5040-01 | 09/440,290 | 6,266,478 | 07/24/01 | 09/05/97; 8696/0061 |
| 05/23/01 | 041465-5040-02 | 09/862,457 | 6,567,612 | 05/20/03 | 09/05/97; 8696/0061 |
| 05/02/03 | 041465-5040-03 | 10/427,970 | | | 09/05/97; 8696/0061 |
| 10/12/99 | 041465-5041-01 | 08/834,806 | 6,215,952 | 04/10/01 | 09/12/97; 8696/0128 |
| 05/23/01 | 041465-5041-02 | 09/731,653 | | | 09/12/97; 8696/0128 |

Assignee : PIONEER CORPORATION

Page : 3

| Filing Date | Attorney Docket No. | Application No. | Patent No. (if applicable) | Issue Date (if applicable) | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 04/07/97 | 041465-5042 | 08/833,476 | 5,936,925 | 08/10/99 | 01/26/98; 9093/0410 |
| 06/20/97 | 041465-5043 | 08/879,969 | 6,058,087 | 05/02/00 | 06/20/97; 8661/0104 |
| 11/09/00 | 041465-5044-01 | 08/897,033 | 6,272,332 | 08/07/01 | 07/18/97; 8696/0425 |
| 11/09/00 | 041465-5044-02 | 09/708,503 | 6,526,285 | 02/25/03 | 07/18/87; 8689/0425 |
| 08/01/97 | 041465-5045 | 08/905,044 | 5,896,353 | 04/20/99 | 08/01/97; 8737/0950 |
| 08/20/97 | 041465-5046 | 08/915,649 | 5,815,472 | 09/29/98 | 08/20/97; 8771/0962 |
| 08/22/97 | 041465-5047 | 08/916,326 | 5,917,793 | 06/29/99 | 08/22/97; 8774/0518 |
| 09/02/97 | 041465-5048 | 08/921,460 | 5,985,792 | 11/16/99 | 09/02/97; 8785/0322 |
| 04/16/98 | 041465-5049 | 09/060,961 | 6,104,019 | 08/15/00 | 04/16/98; 9106/0391 |
| 06/19/98 | 041465-5050 | 09/100,098 | 5,991,244 | 11/23/99 | 06/19/98; 9263/0379 |
| 08/05/98 | 041465-5051 | 09/129,420 | 6,094,638 | 07/25/00 | 08/05/98; 9369/0435 |
| 11/27/98 | 041465-5052 | 09/200,428 | 6,272,082 | 08/07/01 | 11/25/98; 9617/0643 |
| 07/25/01 | 041465-5052-01 | 09/911,788 | 6,396,781 | 05/28/02 | 11/25/98; 9617/0643 |
| 04/09/02 | 041465-5052-02 | 10/118,234 | 6,574,187 | 06/03/03 | 11/25/98; 9617/0643 |
| 08/20/02 | 041465-5053-01 | 09/200,430 | | | 11/25/98; 9617/0619 |
| 12/23/98 | 041465-5054 | 09/219,778 | 6,198,085 | 03/06/01 | 12/23/98; 9679/0182 |
| 01/20/99 | 041465-5056 | 09/233,423 | 6,507,541 | 01/14/03 | 01/20/99; 9713/0689 |
| 07/22/02 | 041465-5056-01 | 10/199,019 | 6,680,890 | 01/20/04 | 01/20/99; 9713/0689 |
| 02/18/99 | 041465-5058 | 09/251,740 | 6,212,141 | 04/03/01 | 02/18/99; 9784/0616 |
| 03/08/99 | 041465-5059 | 09/263,851 | 6,219,309 | 04/17/01 | 03/08/99; 9820/0553 |
| 04/11/01 | 041465-5059-01 | 09/829,904 | 6,549,496 | 04/15/03 | 03/08/99; 9820/0553 |
| 02/28/03 | 041465-5059-02 | 10/375,009 | | | 03/08/99; 9820/0553 |
| 03/16/99 | 041465-5060 | 09/270,658 | 6,308,006 | 10/23/01 | 03/16/99; 9828/0089 |
| 08/31/01 | 041465-5060-01 | 09/942,584 | 6,760,540 | 07/06/04 | 03/16/99; 9828/0089 |
| 05/24/04 | 041465-5060-02 | 10/851,327 | | | 03/16/99; 9828/0089 |
| 03/12/99 | 041465-5061 | 09/266,780 | 6,850,690 | 02/01/05 | 03/12/99; 9818/0136 |
| 03/18/99 | 041465-5062 | 09/270,828 | 6,449,015 | 09/10/02 | 03/18/99; 9837/0870 |
| 03/19/99 | 041465-5063 | 09/271,990 | 6,343,055 | 01/29/02 | 07/16/99; 10234/0058 |
| 01/29/02 | 041465-5064-01 | 10/058,098 | 6,859,421 | 02/22/05 | 04/09/99; 9894/0803 |
| 07/24/02 | 041465-5064-02 | 09/288,641 | 6,687,211 | 02/03/04 | 04/09/99; 9894/0803 |
| 01/05/05 | 041465-5064-03 | 11/028,863 | | | 04/09/99; 9894/0803 |
| 04/09/99 | 041465-5065 | 09/288,643 | | | 04/09/99; 9894/0747 |
| 06/07/05 | 041465-5065-01 | 11/146,161 | | | 04/09/99; 9894/0747 |
| 10/05/99 | 041465-5067 | 09/412,309 | | | 10/05/99; 10302/0737 |

Assignee : PIONEER CORPORATION

Page : 4

| Filing Date | Attorney Docket No. | Application No. | Patent No. (if applicable) | Issue Date (if applicable) | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 10/28/99 | 041465-5068 | 09/428,943 | 6,442,111 | 08/27/02 | 10/28/99; 10353/0608 |
| 10/28/99 | 041465-5069 | 09/429,559 | 6,411,576 | 06/25/02 | 10/28/99; 10353/0406 |
| 10/29/99 | 041465-5070 | 09/429,615 | 6,381,206 | 04/30/02 | 10/29/99; 10459/0429 |
| 11/24/99 | 041465-5071 | 09/444,719 | 6,571,055 | 05/27/03 | 11/24/99; 10431/0851 |
| 11/23/99 | 041465-5072 | 09/447,416 | 6,577,589 | 06/10/03 | 11/23/99; 10432/0520 |
| 11/05/02 | 041465-5073-01 | 09/482,918 | 6,545,965 | 04/08/03 | 01/14/00; 10524/0952 |
| 01/24/00 | 041465-5075 | 09/490,870 | 6,272,105 | 08/07/01 | 01/24/00; 10585/0960 |
| 03/17/00 | 041465-5076 | 09/527,457 | 6,487,160 | 11/26/02 | 03/17/00; 10698/0247 |
| 04/14/00 | 041465-5077 | 09/550,078 | | | |
| 06/06/00 | 041465-5078 | 09/588,660 | 6,370,097 | 04/09/02 | 06/06/00; 10877/0939 |
| 12/27/99 | 041465-5079 | 09/472,504 | 6,879,771 | 04/12/05 | 12/27/99; 10502/0467 |
| 06/27/00 | 041465-5081 | 09/604,398 | | | 06/27/00; 10934/0044 |
| 06/30/00 | 041465-5082 | 09/608,962 | 6,674,706 | 01/06/04 | 06/30/00; 10975/0295 |
| 07/27/00 | 041465-5083 | 09/627,304 | | | 07/27/00; 11054/0149 |
| 08/17/00 | 041465-5084 | 09/639,888 | 6,546,258 | 04/08/03 | 08/17/00; 11054/0596 |
| 08/18/00 | 041465-5085 | 09/640,779 | 6,552,983 | 04/22/03 | 08/18/00; 11054/0811 |
| 09/08/00 | 041465-5086 | 09/658,877 | | | 09/18/00; 11328/0811 |
| 09/08/00 | 041465-5087 | 09/657,805 | 6,701,468 | 03/02/04 | 09/08/00; 11146/0366 |
| 09/28/00 | 041465-5088 | 09/617,112 | 6,345,033 | 02/05/02 | 09/28/00; 11209/0620 |
| 10/04/00 | 041465-5089 | 09/679,049 | | | 10/04/00; 11210/0377 |
| 10/13/00 | 041465-5090 | 09/689,825 | 6,434,091 | 08/13/02 | 10/13/00; 11282/0737 |
| 07/17/02 | 041465-5090-01 | 10/196,250 | 6,587,428 | 07/01/03 | 10/13/00; 11282/0737 |
| 10/27/00 | 041465-5091 | 09/697,738 | 6,560,174 | 05/06/03 | 10/27/00; 11266/0377 |
| 12/07/00 | 041465-5092 | 09/730,797 | 6,556,920 | 04/29/03 | 12/07/00; 11359/0649 |
| 12/13/00 | 041465-5093 | 09/734,678 | 6,876,922 | 04/05/05 | 12/13/00; 11362/0007 |
| 12/14/00 | 041465-5094 | 09/735,514 | 6,738,710 | 05/18/04 | 12/14/00; 11382/0687 |
| 12/22/00 | 041465-5095 | 09/742,328 | 6,516,269 | 02/04/03 | 12/22/00; 11406/0723 |
| 12/28/00 | 041465-5096 | 09/749,177 | 6,728,181 | 04/27/04 | 12/28/00; 11413/0666 |
| 02/28/01 | 041465-5097 | 09/794,115 | 6,556,302 | 04-29-03 | 02/28/01; 11578/0103 |
| 02/27/01 | 041465-5098 | 09/793,583 | 6,449,222 | 09/10/02 | 02/27/01; 11576/0534 |
| 03/01/01 | 041465-5099 | 09/795,346 | | | 03/01/01; 11584/0128 |
| 03/20/01 | 041465-5100 | 09/811,624 | 6,545,956 | 04/08/03 | 03/20/01; 11632/0090 |
| 03/14/01 | 041465-5101 | 09/805,361 | 6,781,637 | 08/24/04 | 03/14/01; 11631/0756 |
| 03/28/01 | 041465-5102 | 09/818,632 | | | 03/28/01; 11646/0731 |

Please correct the Serial Number to read "09/671,112."

Assignee : PIONEER CORPORATION

Page : 5

| Filing Date | Attorney Docket No. | Application No. | Patent No. (if applicable) | Issue Date (if applicable) | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 03/27/01 | 041465-5103 | 09/817,246 | | | 03/27/01; 11662/0358 |
| 03/27/01 | 041465-5104 | 09/817,245 | | | 03/27/01; 11662/0366 |
| 03/29/01 | 041465-5105 | 09/819,978 | 6,757,229 | 06/29/04 | 07/05/01; 11948/0188 |
| 04/03/01 | 041465-5106 | 09/823,980 | 6,724,703 | 04/20/04 | 04/03/01; 11678/0508 |
| 01/23/04 | 041465-5106-01 | 10/762,313 | | | 04/03/01; 11678/0508 |
| 04/04/01 | 041465-5107 | 09/824,717 | 6,885,773 | 04/26/05 | 04/04/01; 11677/0573 |
| 04/05/01 | 041465-5108 | 09/826,009 | | | 04/05/01; 11691/0098 |
| 04/20/01 | 041465-5109 | 09/838,259 | | | 04/20/01; 11734/0748 |
| 04/27/01 | 041465-5110 | 09/846,557 | RE38602 | 09/28/04 | 06/24/96; 8079/0950 |
| 05/09/01 | 041465-5111 | 09/851,391 | | | 05/09/01; 11792/0359 |
| 06/27/01 | 041465-5112 | 09/891,470 | | | 06/27/01; 11941/0266 |
| 07/09/01 | 041465-5113 | 09/900,152 | 6,898,160 | 05/24/05 | 07/09/01; 11973/0809 |
| 07/25/01 | 041465-5114 | 09/911,424 | 6,813,237 | 11/02/04 | 07/25/01; 12019/0788 |
| 12/10/03 | 041465-5114-01 | 10/730,981 | | | 07/25/01; 12019/0788 |
| 08/08/01 | 041465-5115 | 09/924,055 | | | |
| 08/15/01 | 041465-5116 | 09/929,108 | | | 08/15/01; 12084/0016 |
| 08/15/01 | 041465-5117 | 09/929,109 | | | 08/15/01; 12084/0013 |
| 08/15/01 | 041465-5118 | 09/929,110 | | | 08/15/01; 12082/0907 |
| 09/14/01 | 041465-5119 | 09/951,437 | | | 09/14/01; 12173/0927 |
| 09/19/01 | 041465-5120 | 09/955,117 | 6,657,939 | 12/02/03 | 09/19/01; 12182/0825 |
| 09/19/01 | 041465-5121 | 09/955,239 | 6,804,187 | 10/12/04 | 09/19/01; 12181/0564 |
| 10/01/01 | 041465-5122 | 09/966,066 | | | 10/01/01; 12221/0632 |
| 10/02/01 | 041465-5123 | 09/968,502 | | | 10/02/01; 12226/0483 |
| 10/12/01 | 041465-5124 | 09/974,825 | 6,735,153 | 05/11/04 | 10/12/01; 12254/0764 |
| 02/17/04 | 041465-5124-01 | 10/778,213 | | | 10/12/01; 12254/0764 |
| 11/06/01 | 041465-5126 | 09/985,836 | | | 11/06/01; 12299/0153 |
| 11/23/01 | 041465-5128 | 09/990,372 | | | 11/23/01; 12321/0008 |
| 11/23/01 | 041465-5129 | 09/990,343 | | | 11/23/01; 12320/0875 |
| 08/10/04 | 041465-5129-01 | 10/914,267 | | | 11/23/01; 12320/0875 |
| 08/10/04 | 041465-5129-02 | 10/914,266 | | | 11/23/01; 12320/0875 |
| 08/10/04 | 041465-5129-03 | 10/914,186 | | | 11/23/01; 12320/0875 |
| 12/17/01 | 041465-5130 | 10/015,895 | | | 12/17/01; 12389/0133 |
| 12/26/01 | 041465-5131 | 10/025,809 | | | 12/26/01; 12397/0745 |
| 12/26/01 | 041465-5132 | 10/025,810 | 6,738,212 | 05/18/04 | 12/26/01; 12397/0885 |

Assignee : PIONEER CORPORATION

Page : 6

| Filing Date | Attorney Docket No. | Application No. | Patent No. (if applicable) | Issue Date (if applicable) | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 01/10/02 | 041465-5133 | 10/041,473 | | | 01/10/02; 12460/0908 |
| 01/30/02 | 041465-5134 | 10/058,857 | 6,880,164 | 04/12/05 | 01/30/02; 12543/0972 |
| 10/29/04 | 041465-5134-01 | 10/975,549 | | | 01/30/02; 12543/0972 |
| 10/29/04 | 041465-5134-02 | 10/975,421 | | | 01/30/02; 12543/0972 |
| 02/08/02 | 041465-5135 | 10/068,024 | | | 02/08/02; 12671/0504 |
| 02/08/02 | 041465-5136 | 10/067,770 | 6,839,313 | 01/04/05 | 02/08/02; 12578/0435 |
| 02/14/02 | 041465-5139 | 10/073,867 | | | 02/14/02; 12599/0077 |
| 02/19/02 | 041465-5140 | 10/076,602 | | | 02/19/02; 12620/0576 |
| 02/27/02 | 041465-5141 | 10/083,648 | 6,678,165 | 01/13/04 | 02/27/02; 12643/0297 |
| 10/20/03 | 041465-5141-01 | 10/687,704 | | | 02/27/02; 12643/0297 |
| 03/06/02 | 041465-5142 | 10/091,332 | | | 03/06/02; 12672/0990 |
| 03/12/02 | 041465-5143 | 10/094,621 | | | 03/12/02; 12694/0425 |
| 03/26/02 | 041465-5145 | 10/105,946 | | | 03/26/02; 12739/0388 |
| 04/10/02 | 041465-5146 | 10/119,117 | | | 04/10/02; 12791/0619 |
| 06/09/04 | 041465-5146-01 | 10/863,236 | | | 04/10/02; 12791/0619 |
| 04/17/02 | 041465-5147 | 10/123,884 | 6,690,574 | 02/10/04 | 04/17/02; 12812/0702 |
| 04/25/02 | 041465-5148 | 10/131,217 | | | 04/25/02; 12838/0574 |
| 05/02/02 | 041465-5149 | 10/136,445 | | | 08/01/02; 13217/0279 |
| 05/06/02 | 041465-5150 | 10/138,638 | 6,687,204 | 02/03/04 | 05/06/02; 12870/0965 |
| 05/06/02 | 041465-5151 | 10/138,779 | 6,907,611 | 06/14/05 | 05/06/02; 12869/0104 |
| 05/15/02 | 041465-5152 | 10/144,864 | 6,657,482 | 12/02/03 | 05/15/02; 12907/0301 |
| 05/16/02 | 041465-5153 | 10/145,812 | 6,621,436 | 09/16/03 | 05/16/02; 12907/0532 |
| 05/09/02 | 041465-5154 | 10/141,081 | 6,700,519 | 03/02/04 | 05/09/02; 12892/0022 |
| 06/26/02 | 041465-5155 | 10/179,890 | | | 06/26/02; 13058/0275 |
| 06/25/02 | 041465-5156 | 10/178,473 | | | 06/25/02; 13058/0214 |
| 06/25/02 | 041465-5157 | 10/178,729 | | | 06/25/02; 13058/0231 |
| 06/12/02 | 041465-5158 | 10/166,727 | | | 09/12/02; 13298/0004 |
| 06/12/02 | 041465-5159 | 10/166,718 | | | 09/12/02; 13294/0581 |
| 06/28/02 | 041465-5160 | 10/183,162 | 6,888,516 | 05/03/05 | 06/26/02; 13060/0921 |
| 06/26/02 | 041465-5161 | 10/179,889 | | | 06/26/02; 13058/0347 |
| 07/16/02 | 041465-5162 | 10/195,809 | | | 07/16/02; 13112/0820 |
| 09/03/02 | 041465-5164 | 10/233,113 | 6,804,590 | 10/12/04 | 09/03/02; 13263/0114 |
| 09/06/02 | 041465-5165 | 10/235,853 | | | 12/03/02; 13550/0712 |
| 09/11/02 | 041465-5166 | 10/238,619 | | | 09/11/02; 13281/0585 |

Assignee : PIONEER CORPORATION

Page : 7

| Filing Date | Attorney Docket No. | Application No. | Patent No. (if applicable) | Issue Date (if applicable) | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 09/11/02 | 041465-5167 | 10/238,617 | | | 09/11/02; 13281/0519 |
| 09/24/02 | 041465-5168 | 10/252,571 | 6,822,210 | 11/23/04 | 09/24/02; 13322/0417 |
| 09/13/02 | 041465-5169 | 10/242,673 | | | 12/11/02; 13576/0043 |
| 09/26/02 | 041465-5170 | 10/254,766 | | | 09/26/02; 13337/0624 |
| 12/06/02 | 041465-5173 | 10/313,015 | | | 12/06/02; 13556/0595 |
| 01/10/03 | 041465-5174 | 10/339,664 | | | 06/09/03; 14158/0657 |
| 02/10/03 | 041465-5176 | 10/360,707 | | | 02/10/03; 13754/0739 |
| 02/27/03 | 041465-5177 | 10/374,093 | | | 02/27/03; 13829/0953 |
| 10/31/03 | 041465-5179 | 10/398,183 | | | 10/31/03; 14721/0153 |
| 03/30/05 | 041465-5179-01 | 11/092,827 | | | 10/31/03; 14721/0153 |
| 03/31/03 | 041465-5180 | 10/401,687 | | | 03/31/03; 13929/0488 |
| 04/08/03 | 041465-5181 | 10/408,279 | 6,937,547 | 08/30/05 | 04/08/03; 13969/0448 |
| 04/14/03 | 041465-5182 | 10/412,691 | | | 08/20/03; 14417/0092 |
| 04/16/03 | 041465-5183 | 10/414,312 | | | 04/16/03; 13978/0775 |
| 04/15/03 | 041465-5184 | 10/413,546 | | | 04/15/03; 13982/0028 |
| 04/16/03 | 041465-5185 | 10/413,999 | | | 04/16/03; 13978/0779 |
| 04/16/03 | 041465-5186 | 10/414,503 | 6,781,526 | 08/24/04 | 09/17/03; 14508/0558 |
| 04/21/03 | 041465-5187 | 10/419,259 | | | 04/21/03; 13991/0038 |
| 05/19/03 | 041465-5188 | 10/440,326 | | | 05/19/03; 14104/0450 |
| 06/05/03 | 041465-5189 | 10/433,565 | | | 06/05/03; 14478/0119 |
| 06/20/03 | 041465-5190 | 10/465,893 | 6,873,275 | 03/29/05 | 06/20/03; 14211/0106 |
| 06/16/03 | 041465-5191 | 10/461,511 | | | 06/16/03; 14187/0504 |
| 06/24/03 | 041465-5192 | 10/602,033 | | | 06/24/03; 14228/0476 |
| 07/02/03 | 041465-5193 | 10/610,695 | | | 07/02/03; 14270/0624 |
| 07/17/03 | 041465-5194 | 10/620,802 | | | 12/02/03; 14750/0354 |
| 08/27/03 | 041465-5195 | 10/648,345 | | | 08/27/03; 14441/0983 |
| 08/26/03 | 041465-5196 | 10/647,589 | | | 08/26/03; 14430/0664 |
| 08/28/03 | 041465-5197 | 10/649,858 | | | 08/28/03; 14449/0435 |
| 08/29/03 | 041465-5198 | 10/650,996 | | | 08/29/03; 14471/0669 |
| 09/22/03 | 041465-5199 | 10/664,897 | | | 09/22/03; 14526/0282 |
| 09/16/03 | 041465-5200 | 10/662,387 | | | 09/16/03; 14514/0365 |
| 09/30/03 | 041465-5201 | 10/673,515 | | | 09/30/03; 14550/0442 |
| 10/07/03 | 041465-5202 | 10/679,430 | | | 11/19/02; 13503/0897 |
| 10/07/03 | 041465-5203 | 10/679,361 | 6,845,078 | 01/18/05 | 10/07/03; 14593/0813 |

Assignee : PIONEER CORPORATION

Page : 8

| Filing Date | Attorney Docket No. | Application No. | Patent No. (if applicable) | Issue Date (if applicable) | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 10/15/03 | 041465-5204 | 10/686,283 | | | 10/15/03; 14618/0175 |
| 10/27/03 | 041465-5205 | 10/475,916 | | | 10/27/03; 15154/0840 |
| 10/15/03 | 041465-5206 | 10/684,500 | | | 10/15/03; 14614/0689 |
| 10/23/03 | 041465-5207 | 10/690,506 | | | 10/23/03; 14632/0387 |
| 10/24/03 | 041465-5208 | 10/691,709 | | | 10/24/03; 14633/0783 |
| 10/29/03 | 041465-5209 | 10/694,946 | | | 10/29/03; 14660/0609 |
| 05/21/99 | 041465-5210 | 09/315,980 | 6,889,002 | 05/03/05 | 08/13/99; 10165/0113 |
| 10/30/03 | 041465-5211 | 10/695,955 | | | 10/30/03; 14660/0472 |
| 11/17/03 | 041465-5212 | 10/713,038 | | | 11/17/03; 14712/0648 |
| 11/18/03 | 041465-5213 | 10/714,625 | | | 11/18/03; 14711/0312 |
| 12/02/03 | 041465-5214 | 10/724,626 | | | 12/02/03; 14767/0800 |
| 01/09/04 | 041465-5215 | 10/753,533 | | | 01/09/04; 14880/0142 |
| 01/09/04 | 041465-5216 | 10/753,450 | | | 01/09/04; 14888/0185 |
| 03/05/04 | 041465-5217 | 10/793,252 | | | 03/05/04; 15064/0475 |
| 02/23/04 | 041465-5218 | 10/782,868 | | | 02/23/04; 15013/0176 |
| 03/12/04 | 041465-5219 | 10/798,944 | | | 03/12/04; 15095/0032 |
| 04/15/04 | 041465-5220 | 10/824,589 | | | 10/21/04; 15222/0965 |
| 04/15/04 | 041465-5221 | 10/824,595 | | | 04/15/04; 15222/0972 |
| 04/07/04 | 041465-5222 | 10/819,106 | | | 04/07/04; 15189/0134 |
| 04/08/04 | 041465-5223 | 10/820,225 | | | 08/23/04; 15731/0147 |
| 05/07/04 | 041465-5224 | 10/840,257 | | | 05/07/04; 15307/0136 |
| 04/23/04 | 041465-5225 | 10/830,221 | | | 04/23/04; 15260/0754 |
| 05/07/04 | 041465-5226 | 10/840,479 | | | 05/07/04; 15316/0959 |
| 05/07/04 | 041465-5227 | 10/840,513 | | | 07/11/02; 13105/0660 |
| 05/12/04 | 041465-5228 | 10/495,216 | | | 05/12/04; 16128/0470 |
| 06/02/04 | 041465-5229 | 10/858,383 | | | 06/02/04; 15447/0777 |
| 07/23/04 | 041465-5230 | 10/896,883 | | | 07/23/04; 15616/0654 |
| 07/22/04 | 041465-5231 | 10/895,944 | | | 07/22/04; 15615/0967 |
| 07/23/04 | 041465-5232 | 10/896,878 | | | 07/23/04; 15616/0663 |
| 07/28/04 | 041465-5233 | 10/900,327 | | | 07/28/04; 15630/0331 |
| 07/28/04 | 041465-5234 | 10/900,328 | | | 07/28/04; 15631/0327 |
| 08/09/04 | 041465-5235 | 10/913,504 | | | 11/15/04; 15992/0207 |
| 08/09/04 | 041465-5236 | 10/913,492 | | | 11/15/02; 15992/0214 |
| 08/23/04 | 041465-5237 | 10/922,827 | | | 08/23/04; 15719/0015 |

Assignee : PIONEER CORPORATION

Page : 9

| Filing Date | Attorney Docket No. | Application No. | Patent No. (if applicable) | Issue Date (if applicable) | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|----------------------------|----------------------------|------------------------------------|
| 09/17/04 | 041465-5238 | 10/942,847 | | | 09/07/04; 15805/0136 |
| 08/27/04 | 041465-5239 | 10/927,527 | | | 11/19/04; 16008/0534 |
| 09/03/04 | 041465-5240 | 10/506,506 | | | 09/30/04; 16266/0320 |
| 09/03/04 | 041465-5241 | 10/506,515 | | | 09/03/04; 16294/0223 |
| 09/03/04 | 041465-5242 | 10/506,503 | | | 09/03/04; 16415/0281 |
| 09/03/04 | 041465-5243 | 10/506,527 | | | 09/03/04; 16233/0604 |
| 09/20/04 | 041465-5244 | 10/944,047 | | | 09/20/04; 15812/0565 |
| 09/14/04 | 041465-5245 | 10/939,435 | | | 09/14/04; 15795/0141 |
| 09/29/04 | 041465-5246 | 10/951,895 | | | 09/29/04; 15850/0215 |
| 10/12/04 | 041465-5247 | 10/961,141 | | | 10/12/04; 15885/0664 |
| 10/05/04 | 041465-5248 | 10/957,979 | | | 10/05/04; 15874/0974 |
| 10/13/04 | 041465-5249 | 10/962,757 | | | 12/09/04; 16061/0890 |
| 11/02/04 | 041465-5250 | 10/978,418 | | | 11/02/04; 15949/0427 |
| 11/23/04 | 041465-5251 | 10/994,653 | | | |
| 11/10/04 | 041465-5252 | 10/984,757 | | | |
| 11/23/04 | 041465-5253 | 10/995,088 | | | |
| 12/01/04 | 041465-5254 | 10/999,962 | | | |
| 02/24/05 | 041465-5255 | 10/525,527 | | | |
| 01/10/05 | 041465-5256 | 10/520,665 | | | |
| 02/14/05 | 041465-5257 | 10/524,414 | | | |
| 02/25/05 | 041465-5258 | 10/525,641 | | | |
| 02/18/05 | 041465-5259 | 11/060,780 | | | |
| 02/25/05 | 041465-5260 | 11/066,003 | | | |
| 03/14/05 | 041465-5261 | 11/078,700 | | | |
| 03/22/05 | 041465-5262 | 11/085,130 | | | |
| 03/23/05 | 041465-5263 | 11/086,669 | | | |
| 03/29/05 | 041465-5264 | 11/091,716 | | | |

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

Assignee : PIONEER CORPORATION

Page : 10

Acting on behalf of the assignee, the undersigned hereby revokes all powers of attorney previously granted in these applications and patents and appoints:

Customer Number 55694
DRINKER BIDDLE & REATH LLP
1500 K Street, N.W., Suite 1100
Washington, DC 20005

with full power of substitution and revocation, to prosecute the applications and to transact all business in the United States Patent and Trademark Office connected with these patent applications and issued patents.

All correspondence regarding these applications should be sent to JOHN G. SMITH at:

Customer Number 55694
DRINKER BIDDLE & REATH LLP
1500 K Street, N.W., Suite 1100
Washington, DC 20005

Respectfully submitted,

Date: December 9, 2005

Kenichiro Yasukawa

Kenichiro Yasukawa
General Manager
Intellectual Property Division
Patent Application Group
Research & Development Group
PIONEER CORPORATION
1-4-1 Meguro, Meguro-ku
Tokyo 153-8654, Japan